

# Notice of Allowability

Application No.

09/708,494

Examiner

Kim T. Huynh

Applicant(s)

NSAME, PASCAL A.

Art Unit

2112

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 1/13/05.
2. ☒ The allowed claim(s) is/are 1-10, 12-20, 22-29.
3. ☒ The drawings filed on 09 November 2000 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 4/13/05
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
**TIM VO**  
**PRIMARY EXAMINER**

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Frederick Gibb, 37,629 on 4/5/05.

The application has been amended as following:

As per claim 10, a system-on-a-chip integrated circuit structure comprising:

- A bridge having a plurality of channels;
- At least one bus connected to a unique dedicated channel in said bridge;
- At least one memory unit connected to a unique dedicated channel in said bridge; and
- At least one input/output unit connected to a unique dedicated channel in said bridge;
- Wherein said at least one bus includes;
  - o A processor local bus connected to said bridge, wherein said bridge includes a first channel dedicated to said processor local bus; and

- A peripheral device bus connected to said bridge, wherein said bridge includes a second channel dedicated to said peripheral device bus, wherein said structure further comprises:
  - at least one logic device connected to said processor local bus;
  - and
  - at least one peripheral device connected to said peripheral device bus.

As per claim 20, a bridge for a system-on-a-chip(SoC) integrated circuit structure comprising:

- A plurality of dedicated channels in said bridge each uniquely connected to one or more of:
  - At least one bus within said SoC;
  - At least one memory unit within said SoC;
  - At least one input/output unit within said SoC; and
  - At least one peripheral device within said SoC;
- Wherein said at least one bus includes:
  - A processor local bus connected to said bridge, wherein said bridge includes a first channel dedicated to said processor local bus; and
  - A peripheral device bus connected to said bridge, wherein said bridge includes a second channel dedicated to said peripheral device bus, wherein said SoC includes:

- o At least one logic device connected to said processor local bus;  
and
- o At least one peripheral device connected to said peripheral device  
bus.

As per claims 11 and 21 are cancelled.

**Conclusion**

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kim. Huynh whose telephone number is (571)272-3635 or via e-mail addressed to [kim.huynh3@uspto.gov]. The examiner can normally be reached on M-F 9.00AM- 6:00PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Rinehart can be reached at (571)272-3632 or via e-mail addressed to [mark.Rinehart@uspto.gov].

The fax phone numbers for the organization where this application or proceeding is assigned are (703)872-9306 for regular communications and After Final communications. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571)272-2100.

Kim Huynh

April 5, 2005



**TIM VO**  
**PRIMARY EXAMINER**